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Simulation and Analog Computers, by
Wladyslaw Finkelstein, 18 pp.

POLISH, per, Archiwum Automatyki i
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JPRS 11299

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Sci - Phys
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Theory of Hydraulic and Pneumatic Control
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Sci - Phys
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Some Application of Complementary Decoding
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Vol 6, No 4, 1961, pp 399-408.

NTC-71-11746-09C

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The Experimental and Analytical Determination of
Flow Characteristics of Pneumatic Resistances, by
Lech. H. Kozinski. 14 pp.
POLISH, per, Archiwum Automatyki i Telemechaniki,
Vol 8, No 3, 1963, pp 335-346. 9700936
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Sci/Ingr
Aug 66

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*FTD-IT-65-902

Sci-Engr: Phys
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Reliability of Automatic Elements and Devices,
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POLISH, per, Archiwum Automatyki i Telekomu-
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AIR/FTD/RT-23-751-67

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Sci-Elec
Apr 69

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Mathematical Classification Models in Object-
Recognition Problems, by Stanislaw Schmidt.
GERMAN, per, Archiwum Automatyki I Telemechaniki,
Vol 9, No 4, 1964, pp 427-442. P100029166
PTD-TT-65-883

Sci/Mathematical Sci
Oct 66

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Recognition Problems, by Stanislaw Schmidt.
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FTD-IT-65-883 P1000 29136

Sci + Math
Oct 65

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FTD-TT-68-902

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May 66

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Sci - Math Sci
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Optimization of a Pulsed Corrector which
Controls an Object with Random Disturbances,
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POLISH, per, Archiwum Automatyki i Telemechaniki,
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July 68

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Multidimensional Model of Object
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on Stochastic Approximation Methods, 16 pp.
POLISH, per, Archivum Automatyki i
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P100140366
FID-HIT-66-117

Sci - Math Sci
Jan 67

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Machine Solution of Ordinary Differential
Equations With Boundary Conditions, 22 pp.
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PR00180366
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Sci - Math Sci
Jan 67

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Selection of the Correction Element in Linear
Multidimensional Systems, by Zdzisław Pogoda,
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RPD-47-67-35

Sci-Math
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Redundant Representations and the
Arithmetic Operation Speed of Digital
Computers, by J. Bankowski, 22 pp.
POLISH, per, Archiwum Automatyki i
Telemechaniki, Vol 10, No 3, 1965,
pp 375-390.
P100015968
FID-HI-67-35

Sci-Mathematical Sci
Feb 68

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62-20428

I. Wisniewski, S.

Wisniewski, Stanislaw.
NON-LINEAR PROBLEM OF BENDING OF A SHELL
SHAPED LIKE A TRUNCATED CONE AND COM-
PRESSED BY FORCES UNIFORMLY DISTRIBUTED
ALONG THE EDGES. [1962] 24p. 5 refs.
Order from SLA \$2.60 62-20428

Trans. of Archiwum Budowy Maszyn (Poland) 1959,
v. 6, no. 4, p. 493-520.

DESCRIPTORS: *Elastic shells, *Conical bodies,
*Deflection, Compressive properties, Stresses,
Numerical analysis, Nonlinear differential equations.

This paper presents a solution of the problem of large
deflections in a shell which is shaped like a truncated
right circular cone. The shell is compressed by
forces uniformly distributed along the edges and acting
in parallel to the axis of the cone. We limited our -
(Mechanics, TIT, v. 9, no. 9) (over)

Office of Technical Services

Effect of Rotary Inertia and of Shear
Forces on Free Vibrations of Rotating
Bars, by J. Lipka.

EUROPEAN, per, Archiwum Budowy Maszyn,
Vol 7, No 3, 1960, pp 283-294.

NTC-71-11752-20K

FTD-77-62-1477-143p 9679897

ALL 63-16630

Feb 72

62-20053

1. Wisniewski, S.

Wisniewski, Stanislaw.
AN INVESTIGATION OF LARGE DEFLECTIONS OF
A TRUNCATED CONE-SHAPED SHELL COMPRESSED
BY FORCES UNIFORMLY DISTRIBUTED ALONG THE
EDGES. [1962] [5] p. (fig. omitted) 2 refs.
Order from SLA \$1.10

62-20053

Partial trans. (p. 73-74, 76-79) of Archiwum Budowy
Maszyn (Poland) 1961, v. 8, no. 1, p. 73-79.

DESCRIPTORS: *Structural shells, *Conical bodies,
Loading (Mechanics), Compressive properties,
Deformation, Deflection, Graphic analysis.

The article deals with the description and results of
experiments with large deflections of truncated cone
shells with small angles of inclination between the
generatrix and the base, when these shells are sub-
jected to compression by forces uniformly distributed
(Mechanics--Kinematics, TT, v. 9, no. 12) (over)

Office of Technical Services

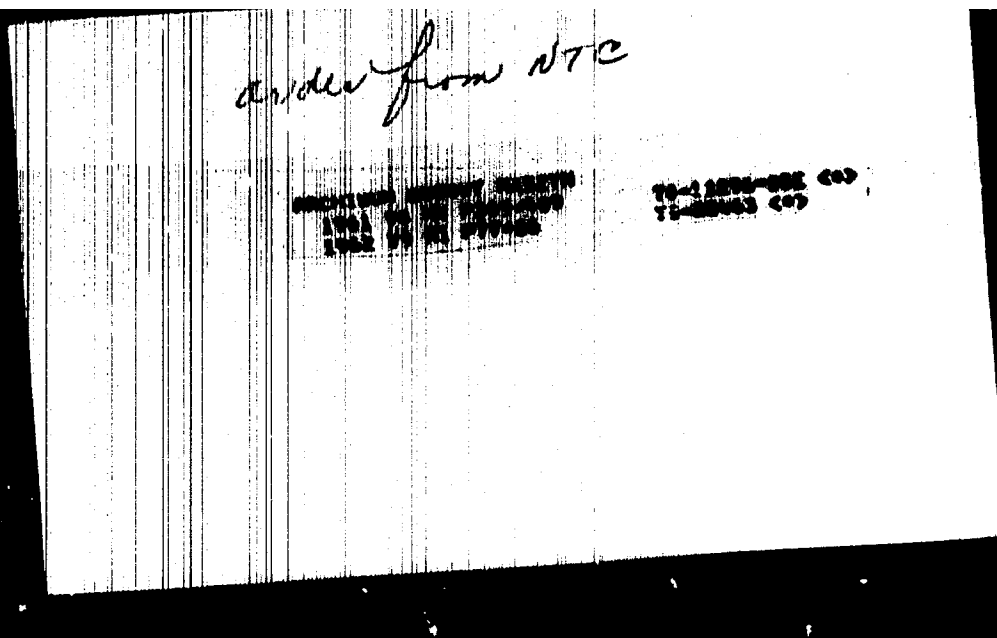
R-1639-N

Article by A. Morecki

POLISH, per, Archiwum Budowy Maszyn, Vol VIII,
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*JPRS/Picatinny Arsenal

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A Method of Calculating Retardation Temperature
in a Hypersonic Wind Tunnel With Movable Piston
and Remarks on the Planning of Such Wind Tunnel,
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No 3, 1962, pp 399-411. 900337

FTD-TT-63-312

Sci-Phys

Sep 63

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Flame Stabilization in Surface Layer, by
Stanislaw Wojcicki, 14 pp.

POLISH, per, Archiwum Budowy Maszyn
Vol IX, No 1, 1962, pp 77-86. 9681604

FTD-TT-62-1821

Sci-Phys
May 63

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The Problem of Determining the Optimum Critical
Operating Parameters for a Nonschatic Motor With
Divergent Nozzle, by K. Komarowski, 53 pp.
POLISH, per, Artykuły Naukowe Maszyn, Vol X, No 2,
1963, pp 103-140. 9593557
FTD-TT-264-497

Sci - Engr
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Model Tests for Pulse-Jet Engines, by S. Wojcicki.
POLISH, per, Archiwum Budowy Maszyn, Vol 10,
No 3, 1963, pp 249-267.

NTC-71-12552-21E

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Thermodynamic Analysis of Heat Exchangers, by
S. Ocheduszek.
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1964, pp 15-22.
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Nov 71

Air Cooled Motor Discs of Uniform
Strength, by Edward Telisaka, 22 pp.
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FTD-TT-65-1757

Sci- Materials
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Elastic Strains and Strains of
Expanded Multilayer Cylindrical
Pressure Vessels, by Michal Zyzakowski,
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NTD-77-65-1757

Sci-Materials
Jan 67

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Influence of the Nonuniformity of the
Velocity of Convection of Edies Behind
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Aerodynamic Forces Acting on the
Airfoil, by Wieslaw Lucjanski. 9 pp.
POLISH, rev, Archiwum Badawcze
Vol XI, No 1, 1964, pp 177-186.
FTD-IT-65-1757

Sci-Materials
Jan 67

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Synthesis of Artificial Long Line and Amplifier
With Negative Impedance by Means of Pade's
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*NASA TT F-134

Sci - Math
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seq. 6-71

21 July 70 B-11921-D

Title: Studja nad budowa amocnoścystano-osteroniny.

Author: Domagala, M.

Source: Archiwum Chemii i Farmacji. (1935).
pp. 78-129. Vol. 2.

Language: Polish.

Please translate & type 1 copy only.

General Solution of Slot Radiation Problem
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P. Szulkin.

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J. Swiderski, 43 pp.

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E-T-P-63-1

Sci - Electr, Electron
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An Extension of the "Ideal Observer" Criterion,
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Published by the American Psychological Association
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Jun 64

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Pulse-Discharge Thermal Vacuum Gauge, by
J. Groszkowski, 86 pp.

POLISH, per, Archiwum Elektrotechniki, Vol X,
No 3, 1961, pp 763-768. 9007391

FID-XX-63-151

Sci-Electronics

Aug 63

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Amplification Circuits With Transistors Duplicating
(Multiplicating) Current Carriers, by
A. Filipkowski, 18 pp.

POLISH, per, Archiwum Elektrotechniki, Vol XI,
No 4, 1962, pp 765-780. 9685089

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Sci-Elec

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A Germanium Double Base Photodiode and its
Applications, by A. Ambrosiak.
POLISH, per, Archivum Elektrotechniki, No 11,
1962, pp 181-185.
*ACSI 1-9245 A
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Sci - Elec
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Equivalent Circuits and Properties of Transi-
tors with Current Carriers Multiplication,
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POLISH, per Archiwum Elektrotechniki, No 11,
1962, pp 229-240.
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1962, pp 384-387.
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Sci - Chem
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Properties of Matrices of Transistors with
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POLISH, per, Archiwum Elektrotechniki, No 11,
1962, pp 757-764.
*ACSI I-9245 D
ID 2204000366

Sci - Elec
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Automatic Frequency Correction Circuit
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POLISH, per, Archiwum Elektrotechniki, No 11,
1962, pp 819-822.
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ID 2204009366

Sci - Elec
Mar 66

On the Correlation between Crystal Orientation and Some Properties of Tunnel Diodes,
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POLISH, per, Archivum Elektrotechniki, No 11,
1962, pp 832-834.
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Samokuchnia, 1961, 1962, by A. Ambrosiak.
Polish, part 1, 1961, 1962, 1963, Vol III,
No. 1, 1961, 1962, 1963.
New York, 1961, 1962, 1963.

Sci - Electron
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About a Certain Nonparametric Device for
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CZECH, per, Archiwum Elektrotechniki, vol. 13
no. 1, 1964, pp. 15-24.
NTC 70-16985-171
FTD - IT - 65 - 365

Some Problems of Statistical Estimates
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POLISH, per, Archivum Elektrotechnik,
Vol 13, No 1, 1964, pp 159-170.
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Sci/Electronics
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Maser Effect in Ruby at Liquid Hydrogen
Temperature, by K. H. Gothe.
POLISH, per, Archiwum Elektrotechniki, Vol 13,
No 5, 1964, pp 713-714.
NTC-71-11465-20E

Nov 71

Preliminary Measurements of Parameters of
Thermistor Infrared Detectors, by E. Ruzma,
B. Schmidt. 8p.
POLISH, per, Archivum Elektrotechniki, Vol 13,
No 3, 1981, pp 720-724. P 10091166
FID 44-65-1725

Sci-Jlec & Electrical Engr
Jan 87

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ACIDS, A. Enders, Arch. Exptl. Pathol. Pharmacol.
197, 597-610 (1941).
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The Location of Rock Bursts in the C. A. Mines of the
Upper Silesian Coal Basin, by B. Heyman, 11 pp.

POLISH, per, Archiwum Gornictwa, Vol II, No 1, 1955,
pp 249-265.

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PL-480

Sci - Min/Mat

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Neyman, B.
THE LOCATION OF ROCK BURSTS IN THE COAL
MINES OF THE UPPER SILESIAN COAL BASIN
(Rejonizacja Tępan w Kopalniach Węgla
Gornolaskiego Zagłębia Węglowego) tr. by Janina
Lutosławska. 1961, 12p. 19 refs. PL-480 Int.
Order from OTS \$0.50 60-21305

Trans. of Archiwum Górnictwa (Poland) [1957] v. 2
[no. 4] p. 249-265.

DESCRIPTORS: *Coal, *Mines, Geology, *Rock,
Fracture (Mechanics), Stresses, Pressure.

(Engineering, IT, v. 7, no. 7)

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- I. Neyman, B.
- II. PL-480 Int (60-21305)
- III. National Science Foundation,
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Office of Technical Services

Indices of Spontaneous Combustion of Coal, by
Z. Maciejusz.

POLISH, per, Archiwum Gornictwa, Vol IV, No 1/2,
1959, pp 21-30.

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The Part Played by Iron in the Perhydrol Method of
Investigation the Liability of Coal to Spontaneous
Combustion, by A. Korta, W. Lason, Z. Maciejasz.

FOUO, per, Archivum Carnietum, Vol IV, No 1/2,
1959, pp 31-34.

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List No 41

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Precipitation of Cobalt From Aqueous Solution of Its
Salts by Metallic Zinc, by Julian Kamecki,
Jerzy Sedzimir.

POLISH, per, Arch Gornictwa i Hutnictwa, No 1-3,
1953-1955, pp 379-399.

*PL-480
OTS 63-11388

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Prak, W.
 ACTIVITY COEFFICIENTS OF SOME NON-FERROUS
 METALS IN BINARY SOLID AND LIQUID SOLU-
 TIONS (AND) ACTIVITY COEFFICIENTS OF METALS
 IN TERNARY SOLUTIONS (Wspolczynniki Aktywnosci
 Niektorych Metali Niezaleznych w Dwuskladnikowych
 Roztworach Stalych i Cieklych [and] Wspolczynniki
 Aktywnosci Metali w Roztworach Trojaskladnikowych)
 tr. by Teresa Truszkowska. 1962, 67p. 40 refs.
 PL-480 Int.
 Order from OITS \$0.50

60-21561

Trans. of Archiwum Gornictwa i Hutnictwa (Poland)
 1954, v. 2, no. 1, p. 71-122 and 1953, v. 3, no. 1,
 p. 69-87.

DESCRIPTORS: *Metals, *Activity coefficient, Solids,
 Liquids, Solutions.

(Metallurgy--Nonferrous Metals, TT, v. 8, no. 4) (over)

60-21561

- I. Prak, W.
- II. Title: Activity Coefficients
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7-19-62

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Activity Coefficients of Some Non-Ferrous Metals in
Binary Solid and Liquid Solutions, by W. Ptak, 44 pp.

POLISH, per, Archiwum Chemii i Techniki, Vol II, No
No 1, 1954, pp 71-122. 9091953

OTS 60-21561
PL-480

Sci - Chem

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Sep 62

On the Conditions of Solving the Gibbs-Diolen
Equation in the Case of Many-Component Systems
A. Krupkowski. 5 pp.

POLISH, from: Archiwum Gornictwa i Hutnictwa, Vol. 111.
No. 1, 1955, pp. 3-9. 9094474

OTS 60-21289
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Sci. Eng.

Dec 60

The Neutral Angle in Hot and Cold Rolling Processes,
by Z. Wusatowski.

POLESI, per, Archiwum Gornictwa i Hutnictwa,
Vol. III, No 1, 1955, pp 11-12.

BISI 8005

Sci - Engr

May 61

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Activity Coefficients of Metals in Ternary Solutions,
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POLISH, per, Archiwum Gornictwa i Hutnictwa, Vol III,
No 1, 1955, pp 69-87. 9091953

ONS 60-21561
PL-486

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Sci - Chem

Sep 62

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Determination of the Optimum Conditions for Reduction
of Metal Oxides With Carbon, by E. Iwanciw,

GERMAN, per, Arch Gornictwa i Hutnictwa, Vol III,
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*JPRS for Army Rocket and Guided
Missile Agency

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SALUSTOWICZ, A.
ASME-GM22. Displacements and deformations of
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Arch. Gornictwa i Hutnictwa, 3, no.1, p.265-282,
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Popowicz, O.
HET GEDRAG VAN EEN KABEL OP EEN KOEPE-
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18p. MTWL: 856. (Text in Dutch) (p. 14 in French).
Order from OTS or ETC: \$1.85 61-17349

Trans. of Archiwum Górnictwa i Hutnictwa (Poland)
1955, v. 3, p. 283-295.

DESCRIPTORS: Mines. Wire and cordage. *Pulleys.

61-17349

- I. Popowicz, O.
- II. MTWL-856
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Toegankelijke Wetenschap-
pelijke Literatuur

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A New Method of Measurement of the Rock Pressure
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POLISH, 1957, *Prace Geologiczne i Hutnicze. Vol III,*
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I. Domaneki, W.

Domaneki, Władysław.
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POUNDS ON METALS AND METALLIC OXIDES.
[1963] 15p. (figs. tables omitted) 15 refs.
Order from SLA \$1.60

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Trans. of Archiwum Geologii i Hutnictwa (Poland)
1955, v. 3, no. 3, p. 401-435.

DESCRIPTORS: Metals, Oxides, *Lead, *Zinc,
*Alkali metals, Purification, Chlorination, *Chlorine,
*Hydrochloric acid.

(Metallurgy, TT, v. 10, no. 6)

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An Attempt to Determine the Proper Value of the
Yield Stress During a Three Axes Plastic Deforma-
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Sci - Physics
Feb 58

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Effect of Cathodic Hydrogen on the Magnetic
Properties of Some Ferromagnetic Materials, by
L. KOZLOWSKI,

POLISH, part, Archiwum Hutnictwa (Warsaw), Vol II,
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Sci -
Jun 61

Production des Aciers Austenitiques au Chrome
Nickel Avec Affinage a l'Oxygene, by T. Mazanek,
J. Nathaniec, Z. Kosiewicz, A. Wokenberg.

GERMAN to FRENCH, per, Arch Hutn, Vol III, No 1, 1958,
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OFFICE OF AEROSPACE RES
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SCI-PHYS,
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STANISLAW MROWEC, ZEDOR WERBER.

POLISH, PER, ARCHIWUM HUTNICTWA, VOL 111, NO 2,
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(MEMO 25 SEPT 62)

Rozanski, W.
EFFECT OF ULTRASONIC VIBRATIONS UPON
STEEL BEING CARBURIZED. Nov/Dec 60, 6400
words. HB-4860
Order from HB \$15.00

Trans. of Archimedes Hummel (Release) 1958, v. 3,
no. 2, p. 125-148

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1. Steel--Hardening
2. Ultrasonic radiation--
Metallurgical effects
3. Vibration--Metallurgical
effects

- I. Rozanski, W.
- II. HB-4860
- III. Bratcher, Henry.
Alhambra, Calif.

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Thermodynamic Characteristics of Liquid
Metal Solutions, Part I*, by J. Terpilowski.
EUROPEAN, per, Archiwum Hutnictwa, Vol 3,
No 3, 1958, pp 227-237.
NTC-71-11750-20M

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Rolling Torques in Hot Rolling of
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B. Rodary.

POKISH, per, Archivum Metallurg. No. 1, 1959.

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For 1960
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Sci - Eng

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Mechanism and Kinetics of Reduction of Iron Oxides,
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POLISH, par, Archivum Chemicum, Vol IV, No 2,
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Sci - Chem

Apr 61

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Fundamentals of Dust Precipitation From Gases in a
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Sci - Chem

Apr 61

The Effect of Hydrostatic Pressure on the Plastic
Properties of Metals, by T. Polakowski,
POLSKA, pr. Archiwum Inżynierów, Vol VII, No 1,
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Sci - M/M
Sep 64

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Consideration of Mechanisms of Metals at High
Temperatures, by A. Mrowec.
POLISH, per, Archiwum Historyczne. Vol VII,
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